

# ENGINEERING CHANGE NOTICE

## DART AEROSPACE LTD

MPP

Date:	17.03.31	Job No.:	PI17-607-04	ADR Yes/No:	N	ADR Date:		ECN #:	17- 549
Product No.:	D350-607	Created By:	RF	Approved By:					
Product Name:	Heli-Utility-Basket	Checked By:							

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)	Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	JDM		DQA / QA Coord.	Y	PS / ED	
Production Planner	Y	MP / SD		QC Coordinator	Y	PD	
Purchasing Manager / Purchasing Coord.	Y	LL / CL		Customer Support	Y	SW / LM	
Production Engineering Coord.	Y	DD / <del>AMF</del>		Customer Technical Support	Y	MB / HS	
Production Engineering Coord.	N	DL		Marketing	Y	SL / WR	
Customer Order Processing	N	SL / <del>AMF</del>		Dist. Management Coord.	Y	HM	

**Reason for Change:**  
Custom basket for Norwegian customer

**Documents Affected:**  
DSI 9776 Rev. A      D5519 Rev. A

IF APPLICABLE:    NCR: \_\_\_\_\_    PAR: \_\_\_\_\_    CAR: \_\_\_\_\_    CIR: \_\_\_\_\_    URF: \_\_\_\_\_

PAPERWORK UPDATE ☒    PARTS MUST COMPLY ☐    PREVIOUS PARTS SATISFACTORY ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	Y	RF		# 17.05.02
6	Update Master Document List (MDL)	N		To be included on next MDL update	
7	Update Document Record (DR)	N			
8	Update Product Compatability Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	KJ		17.05.05
12	Update Product Specification Files (Bluefiles)	Y	KJ	Add DSI 9776	17.05.05
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		17.05.05
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	KJ		17.05.05
17	Update / Verify Airworthiness Release Certificate Database	Y	KJ	#26	17.05.05
18	Create / Update Change Record Form / Item Card Database	Y	KJ	DSI 9776-011/-013/-015 & CHG 001	17.05.05
19	Create / Update Packaging Process Plan (PPP)	Y	KJ		
20	Red Decals required on Packaging Process Plan (PPP)?	N			
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ	Add DSI	17.05.05
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ		17.05.05
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

**Description / Action:**

- Update routes/BOMs to reflect new drawings.
- DSI 9776-011/-013/-015 & CHG 001
- Close CSR16-206

*u/o made . 160995  
                  . 994  
                  . 996*

*5% inst on Custom Basket*

*MAY 05 2017*

ECN Verified & Complete: \_\_\_\_\_ Date: \_\_\_\_\_



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QC Coordinator	Y	PD	
Customer Support	Y	SW / LM	
Customer Technical Support	Y	MB / HS	
Marketing	Y	SL / WR	
Dist. Management Coord.	Y	HM	

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25					

**Description / Action:**

- Update routes/BOMs to reflect new drawings.
- DSI 9776-011/-013/-015 & CHG 001
- Close CSR16-206

*Handwritten: Hardware ordered in 1705-05*

ECN Verified & Complete: \_\_\_\_\_ Date: \_\_\_\_\_



## 6.0 PARTS LIST

QTY -011	QTY -013	QTY -015	PART NUMBER	DESCRIPTION
X			DSI 9776-011	END COVER KIT (SHORT BASKET)
	X		DSI 9776-013	END COVER KIT (LONG BASKET)
		X	DSI 9776-015	ROUND COVER KIT (SHORT/LONG BASKET)
	4		D4021-9	BUSHING
4			D5338-1	BUSHING
2	2		D5519-041	DOUBLER ASSEMBLY
		4	D5519-043	DOUBLER ASSEMBLY
2	2		D5519-3	COVER PLATE
		4	D5519-9	COVER PLATE
16	16	16	AN3-3A	BOLT
4	4		AN3-12A	BOLT
8	8		CCR274CS-3-02	RIVET, BLIND
20	20	16	NAS1149F0332P	WASHER

## 7.0 WEIGHT AND BALANCE:

The weight of these kits is added to the basket weight. It is the responsibility of the installer to ensure the limitations of FMS-D350-607 and FMS-D355-607 are not exceeded and to update the weight and balance information included in D350-607-3 and ICA-D350-607.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
DSI 9776-011 End Cover Kit (Short Basket)	5.4 lb 2.4 kg	+/- 49.1 in +/- 1.25 m	+/- 265 in-lb +/- 3.0 m-kG	135 in 3.43 m	729 in-lb 8.2 m-kG
DSI 9776-013 End Cover Kit (Long Basket)	5.4 lb 2.4 kg	+/- 49.1 in +/- 1.25 m	+/- 265 in-lb +/- 3.0 m-kG	135 in 3.43 m	729 in-lb 8.2 m-kG
DSI 9776-015 Round Cover Kit (Short/Long Basket)	1.5 lb 0.7 kg	+/- 52.0 in +/- 1.32 m	+/- 78 in-lb +/- 0.9 m-kG	135 in 3.43 m	202 in-lb 2.4 m-kG

## 8.0 OPERATIONAL REQUIREMENTS:

- All equipment installed in the basket must be mechanically fastened to the basket if the D5519-3/-9 Covers Plate are removed.
- Only covers required for specific mission equipment should be removed.
- Equipment must not extend further than 6" (152 mm) beyond the outer edge of the basket.
- If basket is used for regular missions (ie hauling loose cargo), all covers must be installed.

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED  
BY:   
D. SHEPHERD (DE # 02)

DATE: 17.03.21  
CERT. NO.: SH94-14  
ISSUE NO.: 7

APPROVED

DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	VS	DRAWING NO.	REV. A
MFG. APPR.	JFS	DSI 9776	SHEET 4 OF 14
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	BASKET MODIFICATION	NTS
DATE	17.03.21	COPYRIGHT © 2017 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	